

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031758.D
 Acq On : 29 Sep 2022 04:30
 Operator : JC/MD
 Sample : N4850-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14B-SP-2

Quant Time: Sep 29 06:25:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

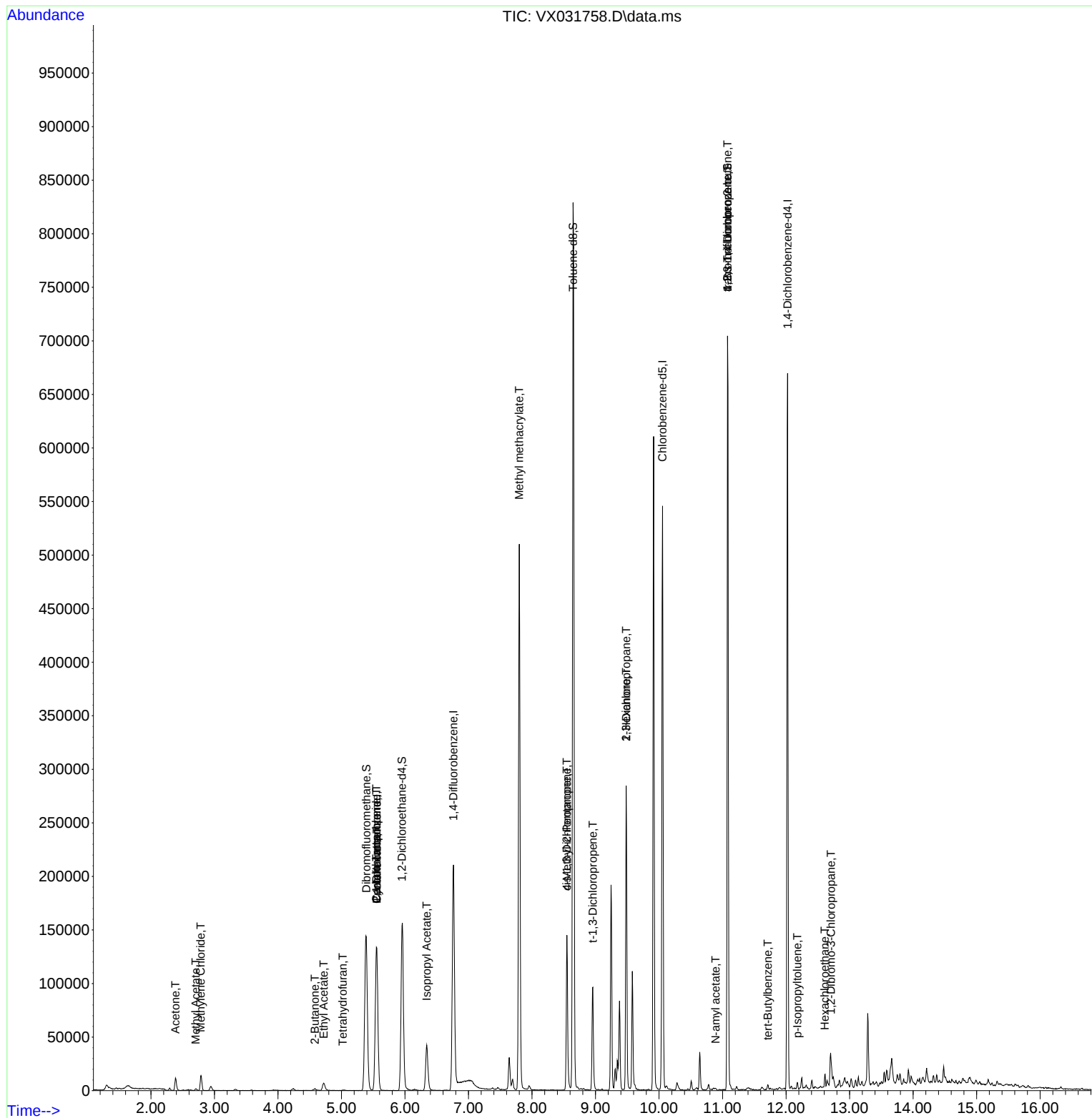
Internal Standards						
1) Pentafluorobenzene	5.556	168	128292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	148002	54.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.700%			
35) Dibromofluoromethane	5.391	113	125165	48.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	8.647	98	503265	54.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.260%			
62) 4-Bromofluorobenzene	11.079	95	180852	53.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.140%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	136	Below Cal	#	41
5) Bromomethane	1.624	94	324	Below Cal		83
6) Chloroethane	1.666	64	101	Below Cal		100
11) Tert butyl alcohol	2.947	59	2360	Below Cal	#	73
16) Acetone	2.386	43	13422	2.466	ug/l	91
17) Carbon Disulfide	2.508	76	592	Below Cal	#	75
18) Methyl Acetate	2.703	43	1981	0.810	ug/l #	89
20) Methylene Chloride	2.782	84	6624	2.230	ug/l	83
25) 2-Butanone	4.580	43	1813	1.395	ug/l	91
29) Tetrahydrofuran	5.019	42	233	0.285	ug/l #	32
31) Cyclohexane	5.556	56	2831	1.093	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	10386	3.526	ug/l #	49
37) Ethyl Acetate	4.721	43	12688	4.271	ug/l	99
38) Carbon Tetrachloride	5.550	117	13141	3.959	ug/l #	18
43) Isopropyl Acetate	6.342	43	54885	11.738	ug/l #	95
48) Methyl methacrylate	7.799	41	43203	21.010	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	45786	15.470	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	249	1.950	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	23548	7.122	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2695	0.655	ug/l #	43
59) 2-Hexanone	9.482	43	29695	13.448	ug/l #	54
74) N-amyl acetate	10.890	43	1147	0.405	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	93206	38.081	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	93206	124.697	ug/l #	11
83) tert-Butylbenzene	11.713	119	1549	0.217	ug/l	88
86) p-Isopropyltoluene	12.177	119	3081	0.394	ug/l	91
90) Hexachloroethane	12.610	117	726	0.579	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.707	75	248	0.446	ug/l #	3

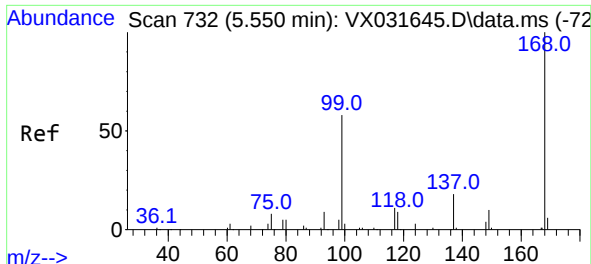
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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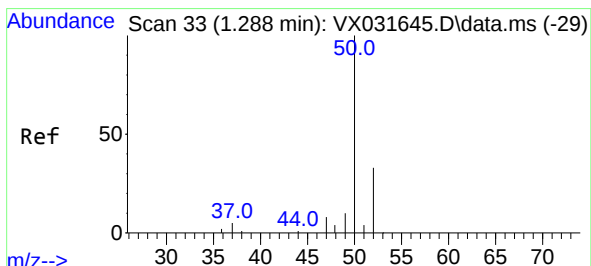
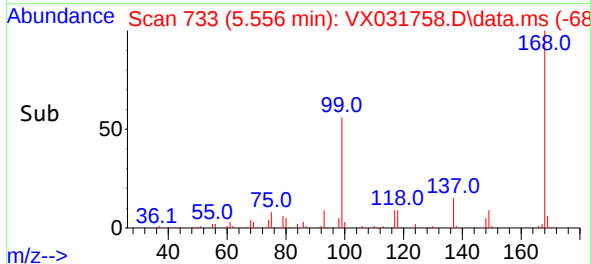
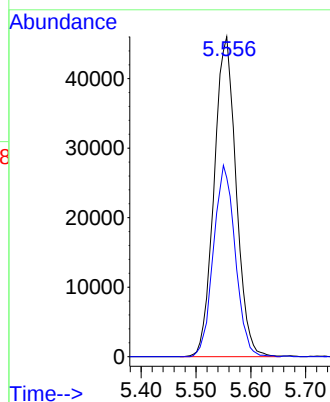
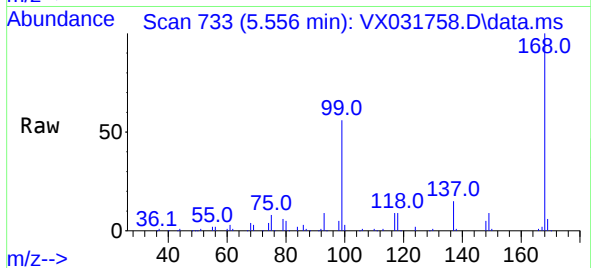




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

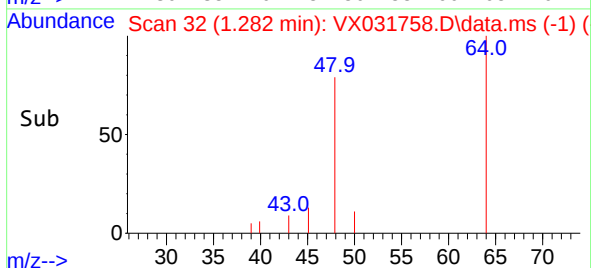
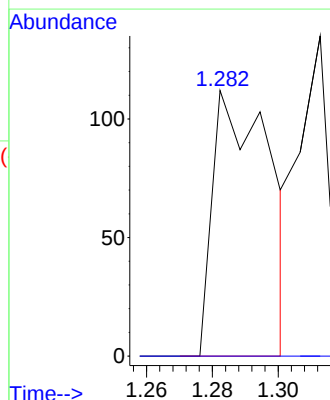
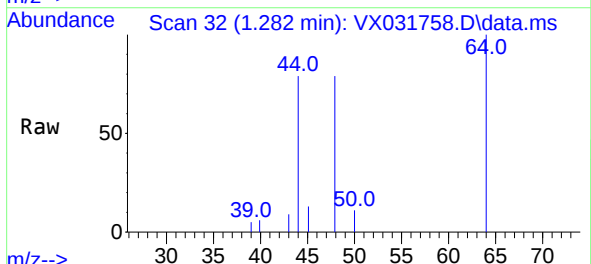
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

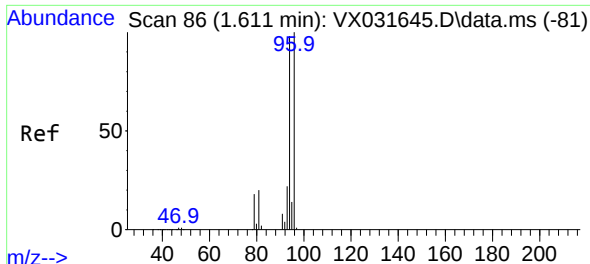
Tgt Ion:168 Resp: 128292
Ion Ratio Lower Upper
168 100
99 55.9 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 50 Resp: 136
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

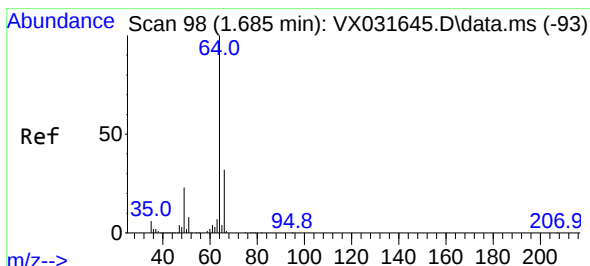
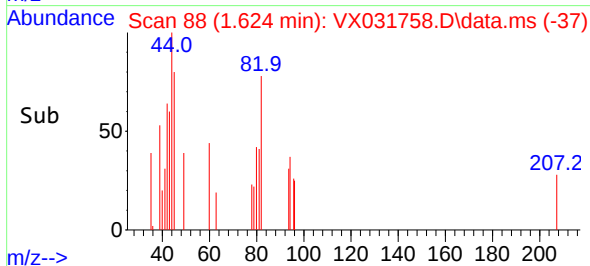
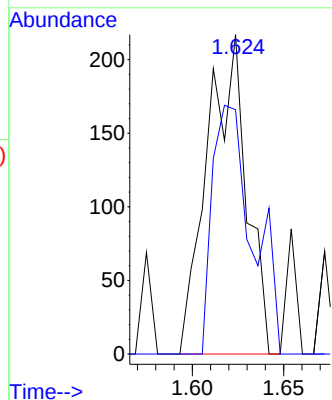
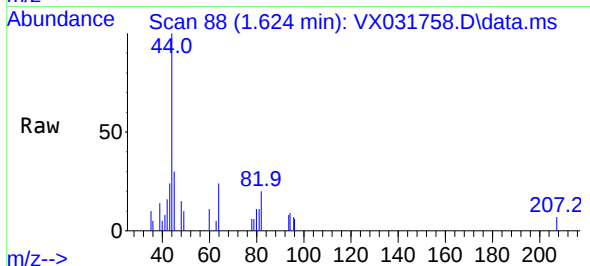




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

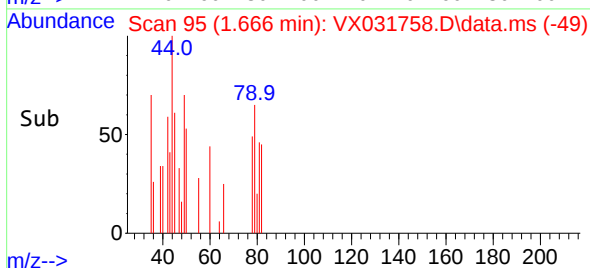
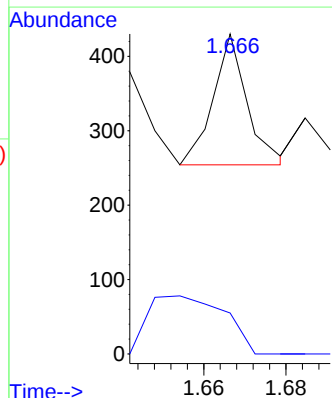
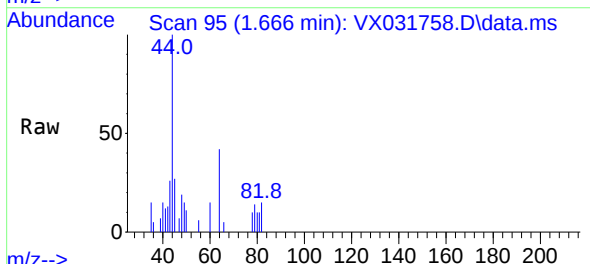
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

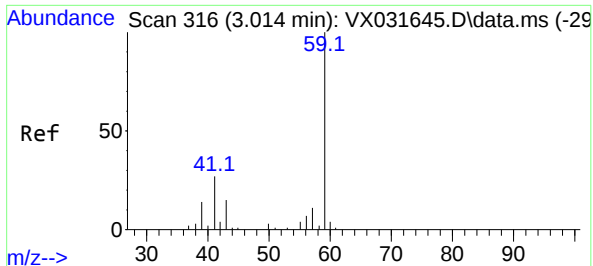
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 76.5 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 31.3 25.0 37.4

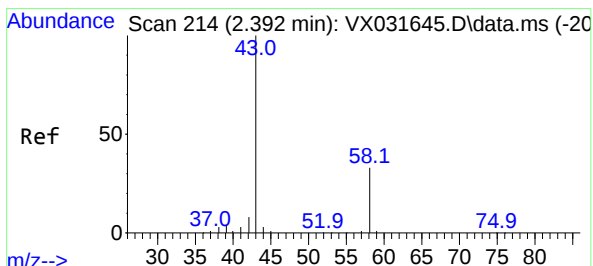
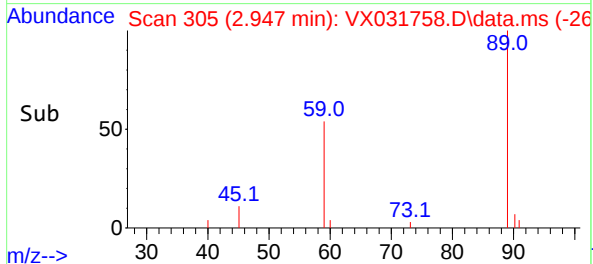
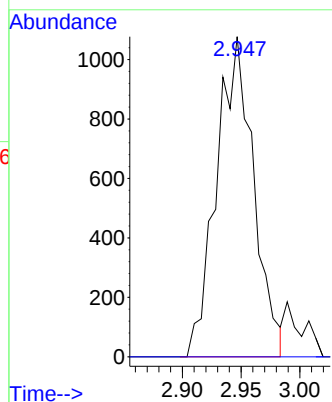
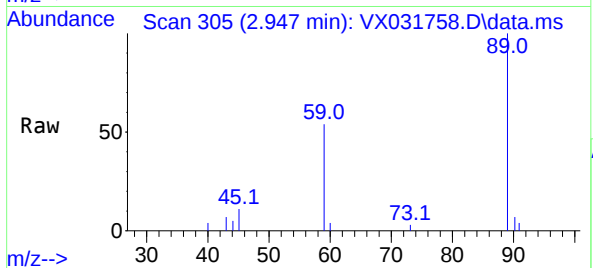




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

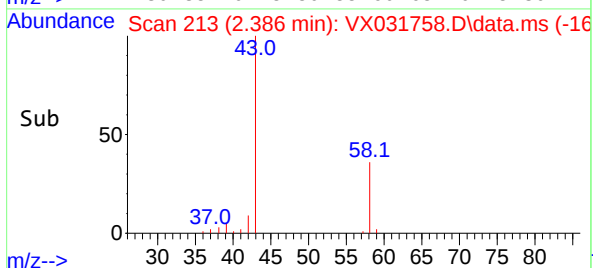
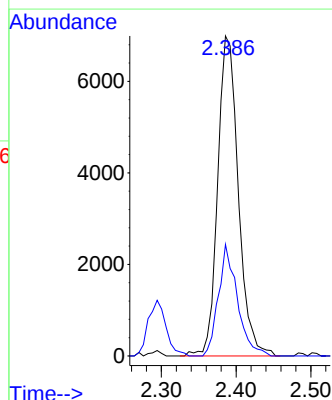
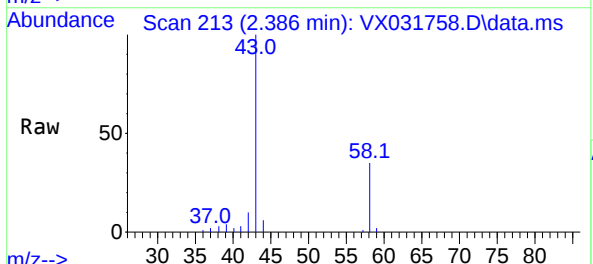
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

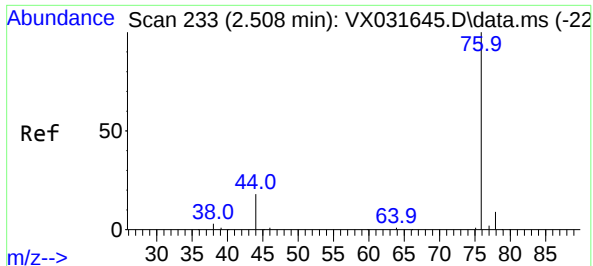
Tgt Ion: 59 Resp: 2360
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 2.466 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 43 Resp: 13422
Ion Ratio Lower Upper
43 100
58 34.8 23.8 35.8

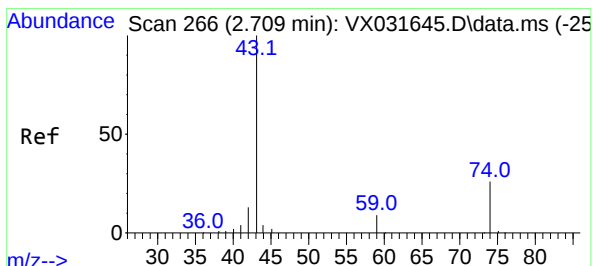
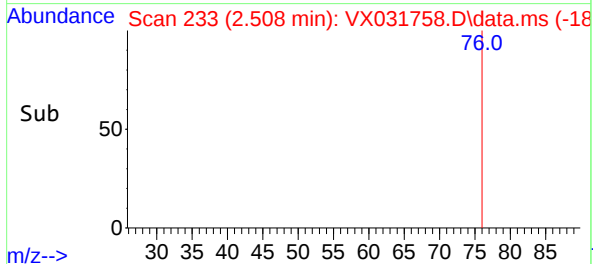
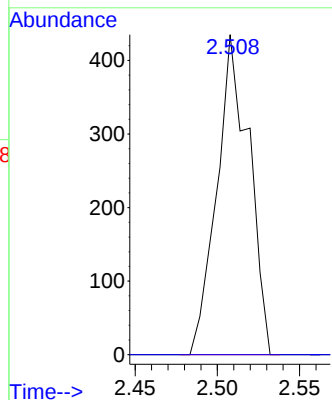
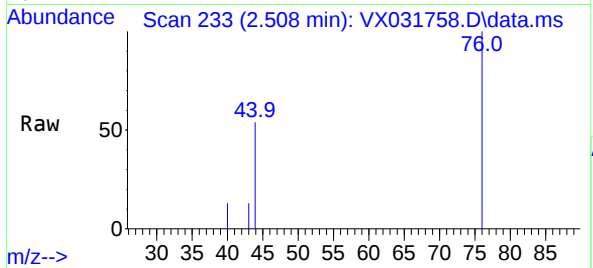




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

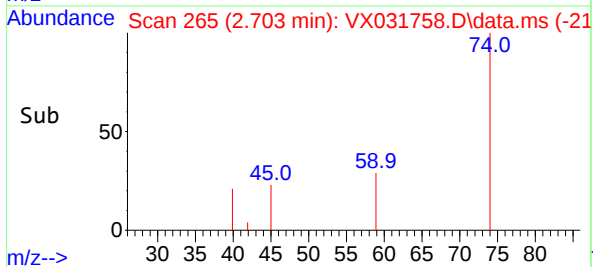
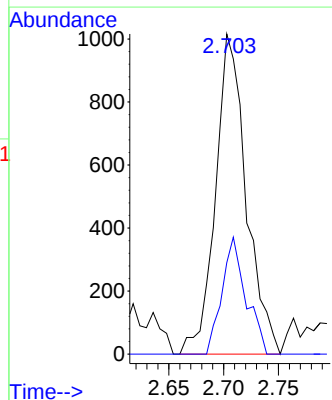
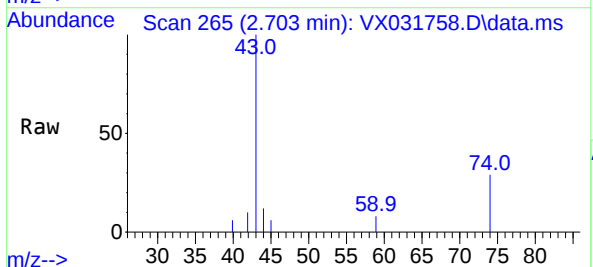
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

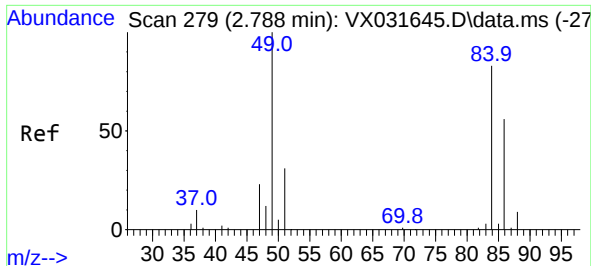
Tgt Ion: 76 Resp: 592
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.810 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
74 28.5 18.6 27.8#





#20

Methylene Chloride

Concen: 2.230 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

WC-14B-SP-2

Tgt Ion: 84 Resp: 6624

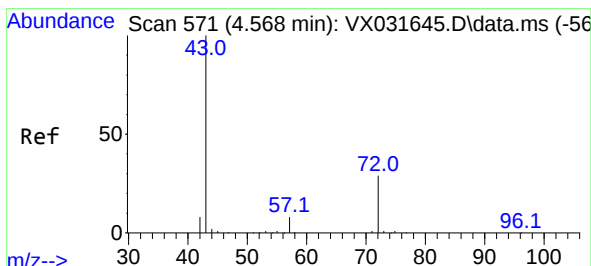
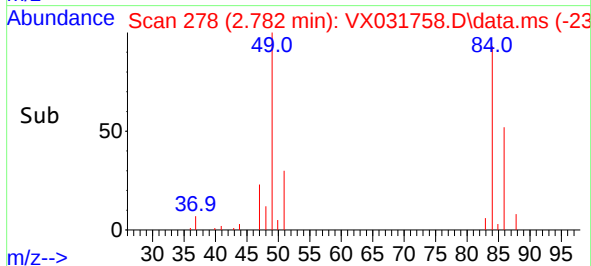
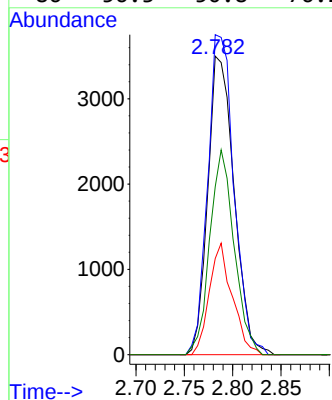
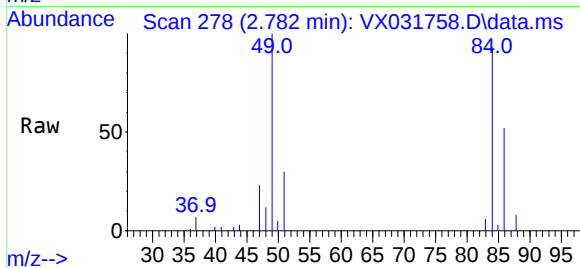
Ion Ratio Lower Upper

84 100

49 107.2 105.9 158.9

51 32.2 32.2 48.2

86 56.3 50.8 76.2



#25

2-Butanone

Concen: 1.395 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX031758.D

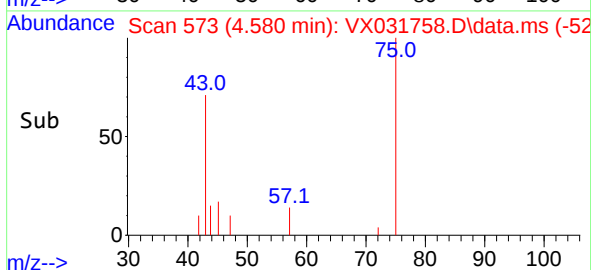
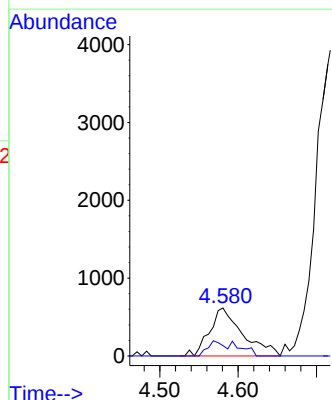
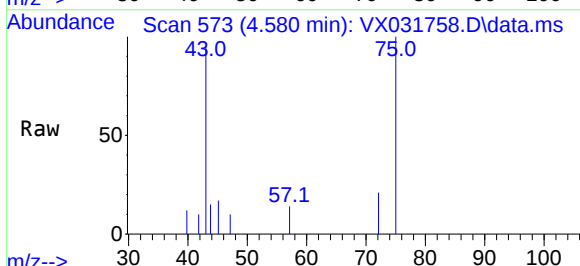
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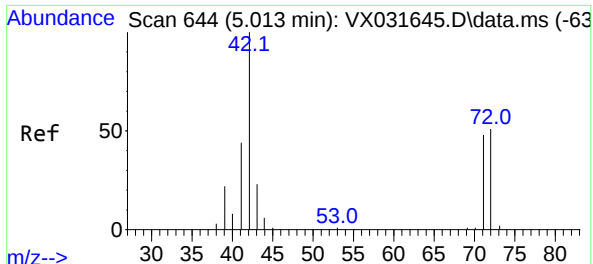
Tgt Ion: 43 Resp: 1813

Ion Ratio Lower Upper

43 100

72 21.7 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.285 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

WC-14B-SP-2

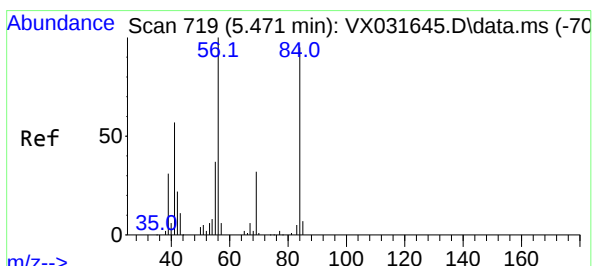
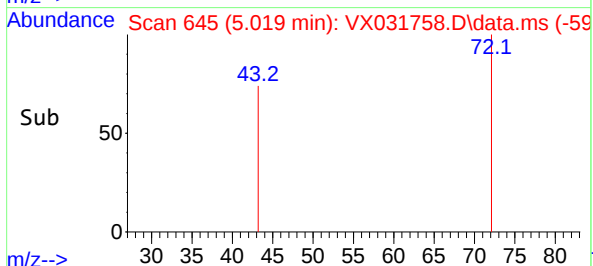
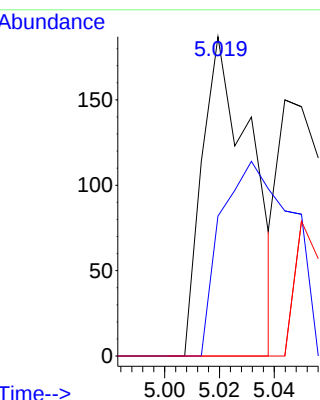
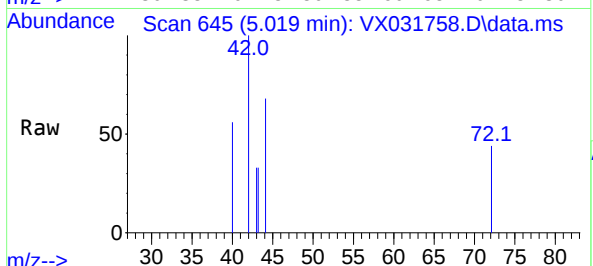
Tgt Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 0.0 33.5 50.3#



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

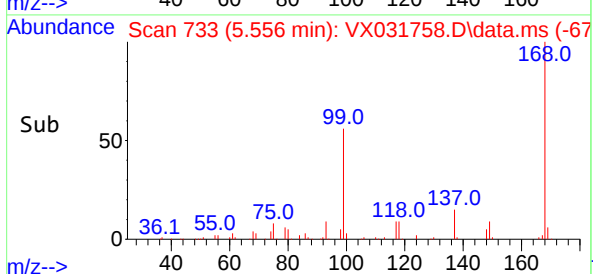
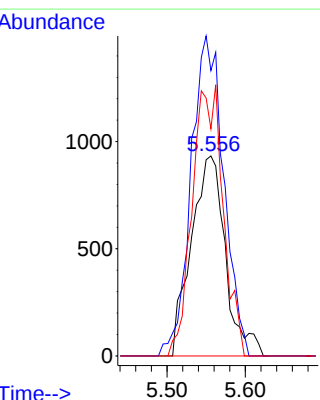
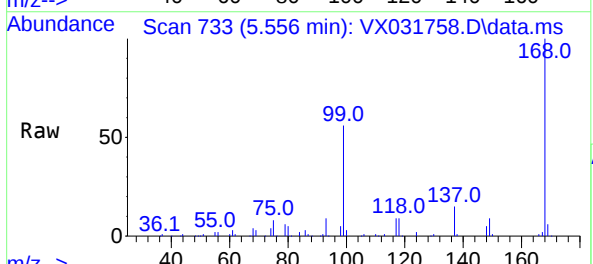
Tgt Ion: 56 Resp: 2831

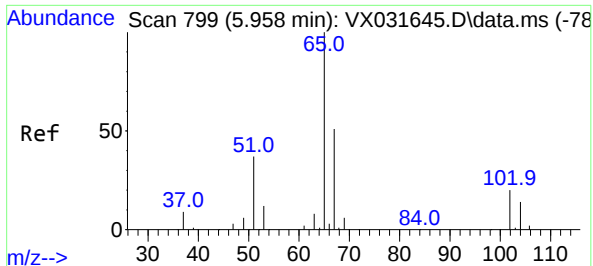
Ion Ratio Lower Upper

56 100

69 142.8 25.1 37.7#

84 113.6 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 54.355 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

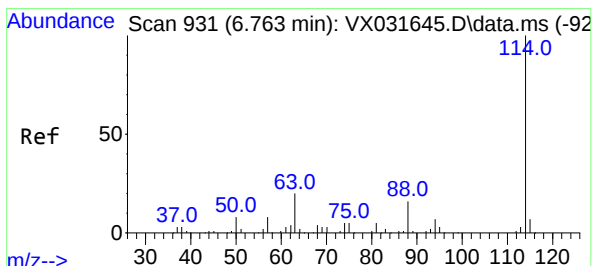
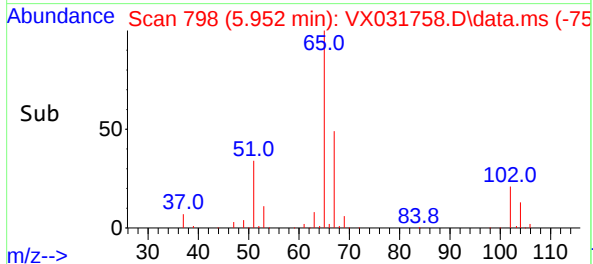
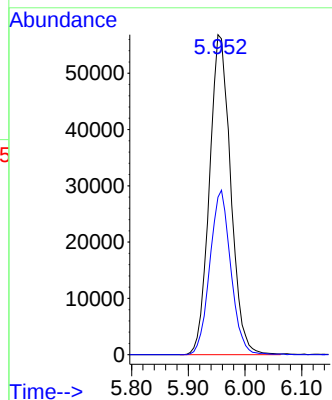
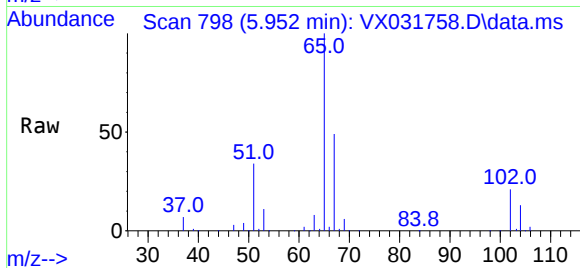
WC-14B-SP-2

Tgt Ion: 65 Resp: 148002

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

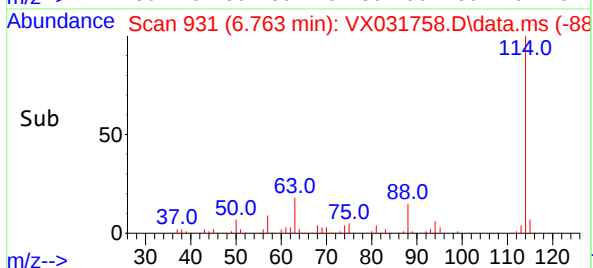
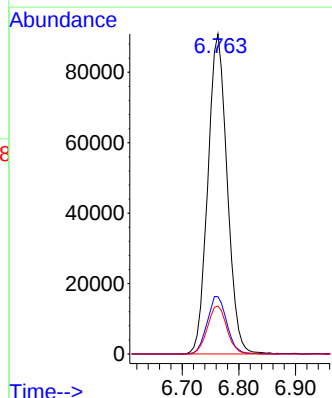
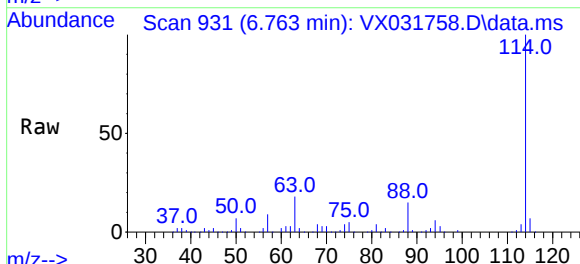
Tgt Ion: 114 Resp: 215243

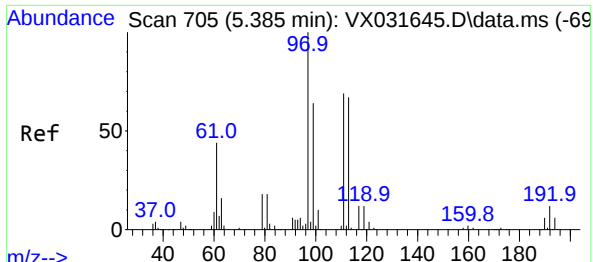
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.6

88 15.0 0.0 33.0

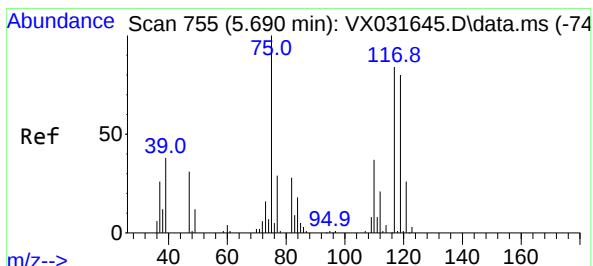
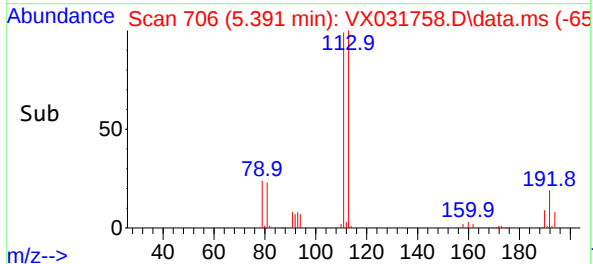
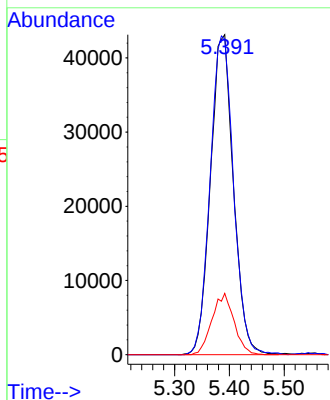
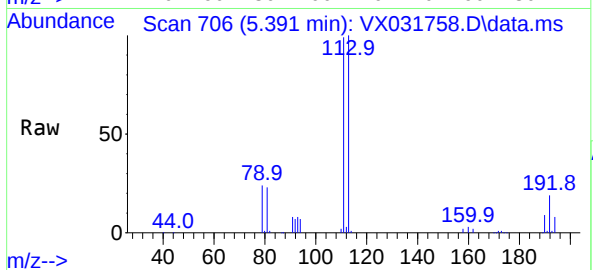




#35
Dibromofluoromethane
Concen: 48.804 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

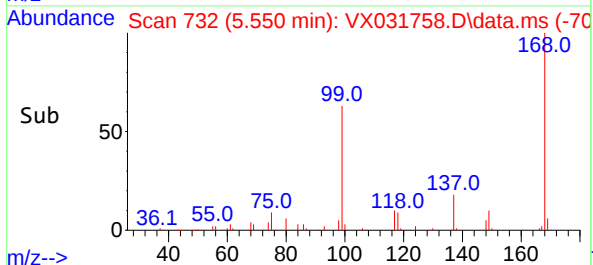
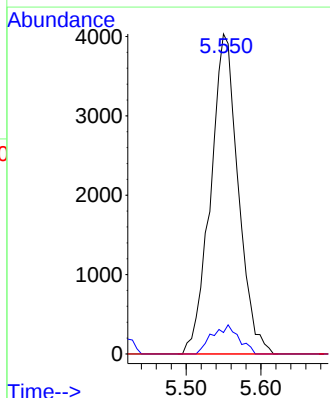
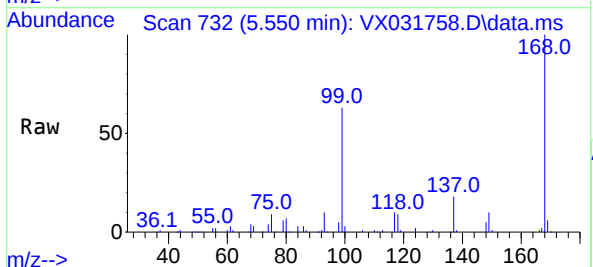
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

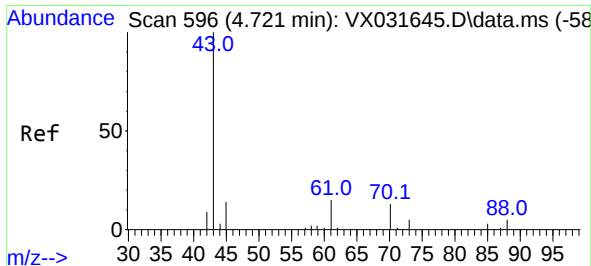
Tgt Ion:113 Resp: 125165
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 18.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.526 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 75 Resp: 10386
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.9 37.3#

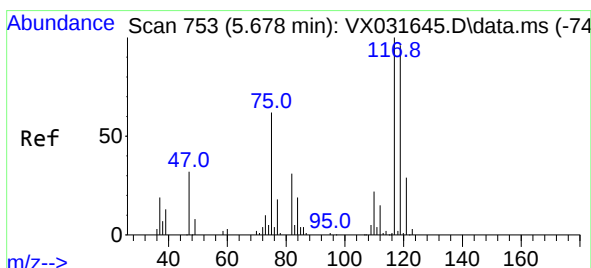
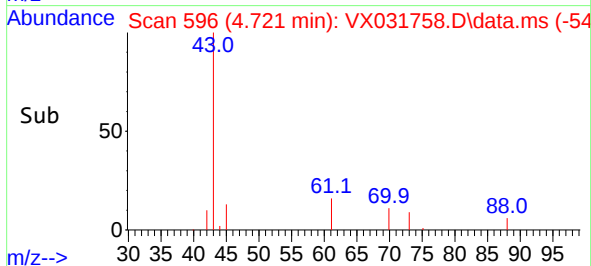
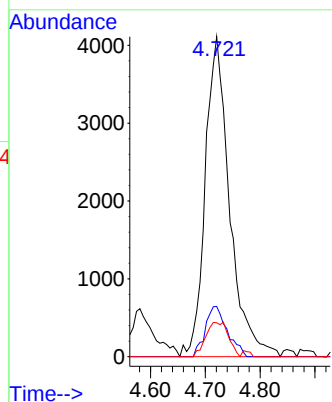
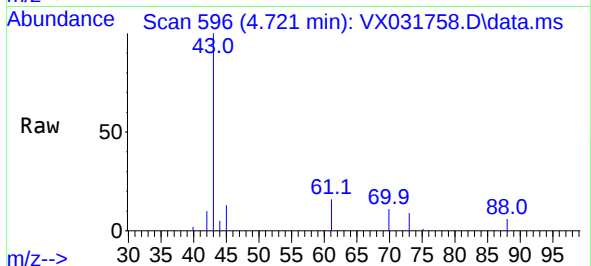




#37
Ethyl Acetate
Concen: 4.271 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

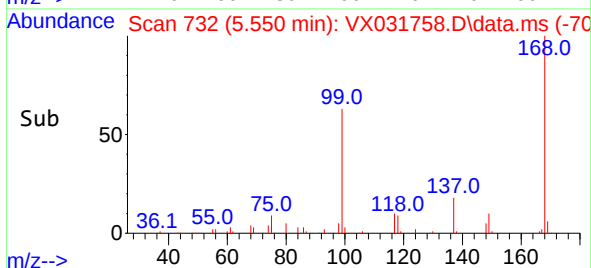
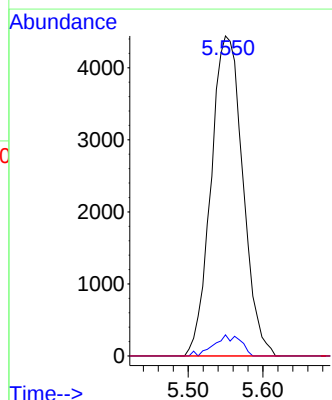
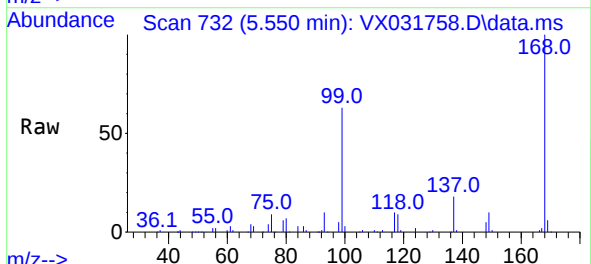
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

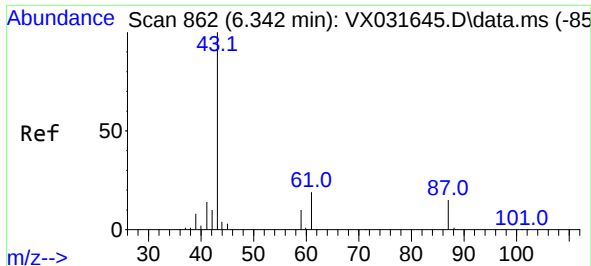
Tgt Ion:	43	Resp:	12688
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	10.0	8.6	13.0



#38
Carbon Tetrachloride
Concen: 3.959 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion:	117	Resp:	13141
Ion	Ratio	Lower	Upper
117	100		
119	6.6	74.6	112.0#
121	0.0	25.3	37.9#

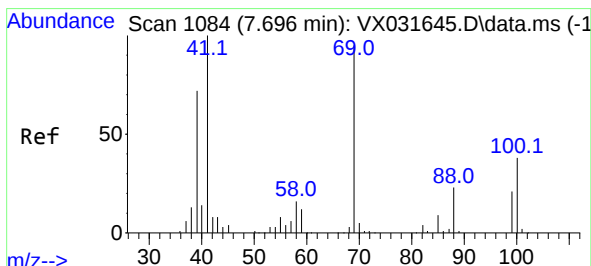
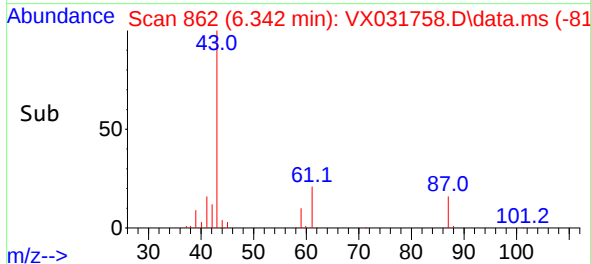
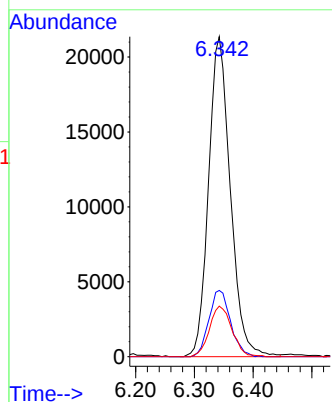
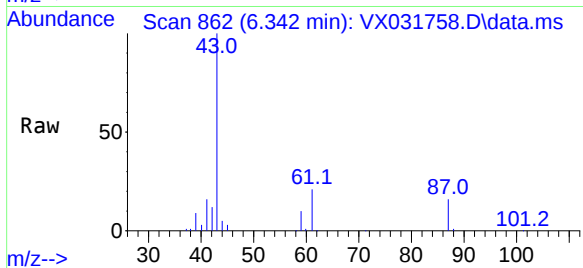




#43
Isopropyl Acetate
Concen: 11.738 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

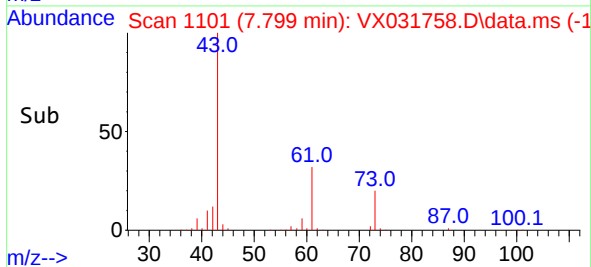
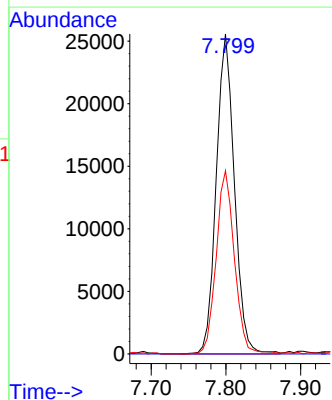
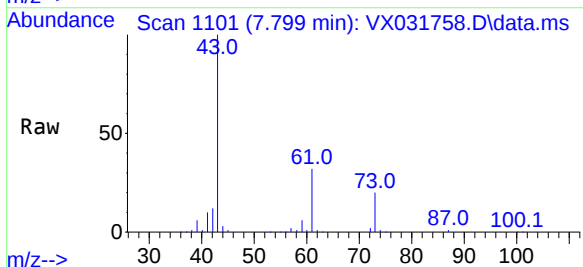
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

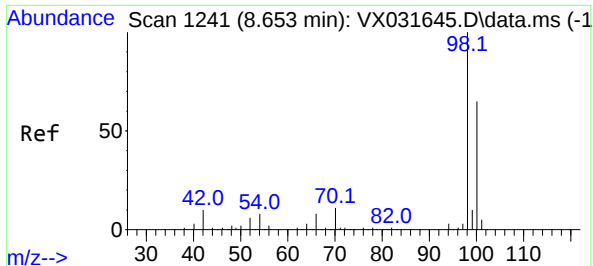
Tgt Ion: 43 Resp: 54885
Ion Ratio Lower Upper
43 100
61 20.6 15.3 22.9
87 16.3 10.6 15.8#



#48
Methyl methacrylate
Concen: 21.010 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 41 Resp: 43203
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 57.7 51.4 77.0





#50

Toluene-d8

Concen: 54.126 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

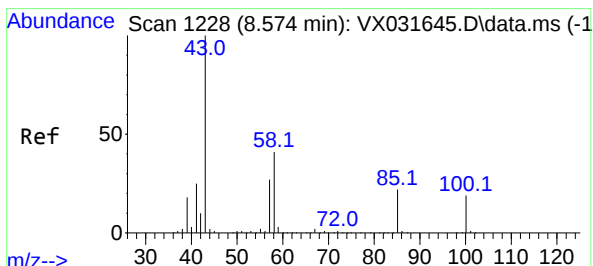
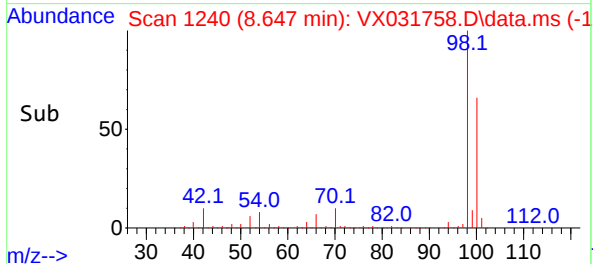
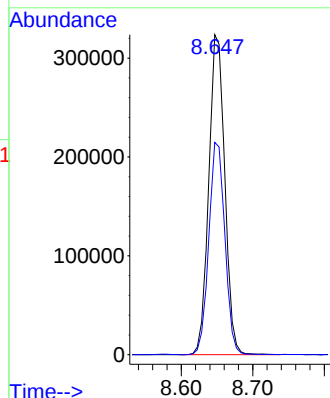
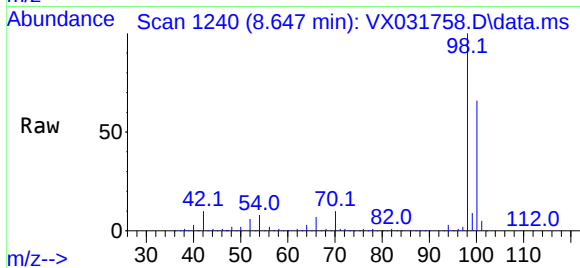
WC-14B-SP-2

Tgt Ion: 98 Resp: 503265

Ion Ratio Lower Upper

98 100

100 66.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 15.470 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031758.D

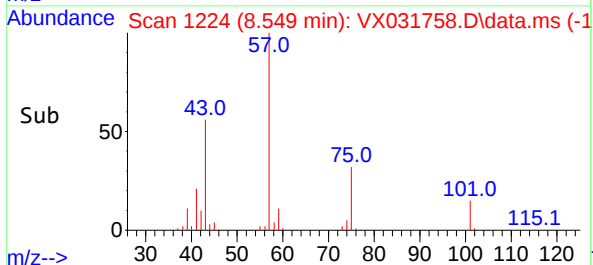
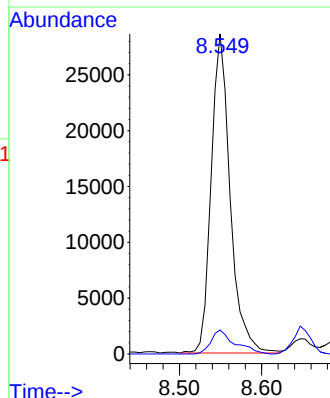
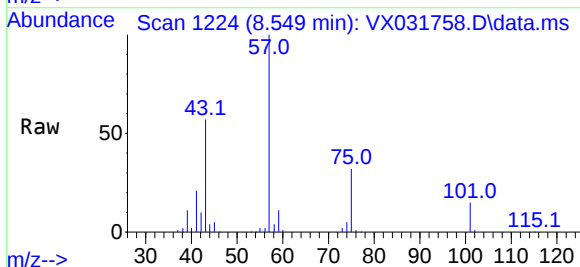
Acq: 29 Sep 2022 04:30

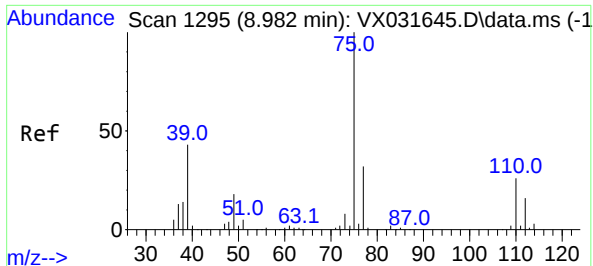
Tgt Ion: 43 Resp: 45786

Ion Ratio Lower Upper

43 100

58 9.4 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 1.950 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

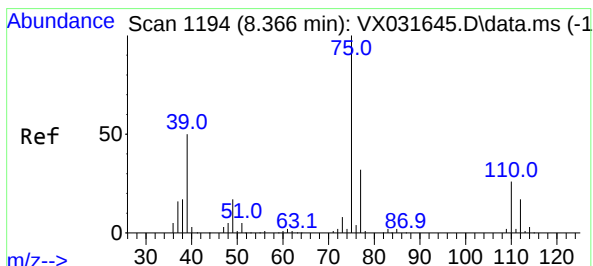
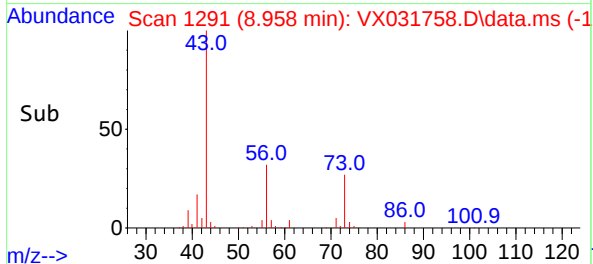
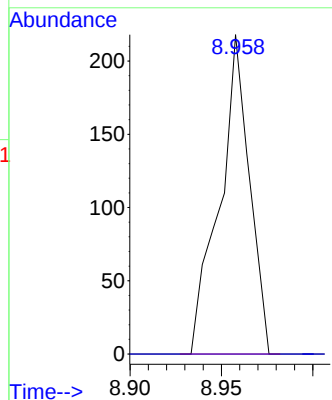
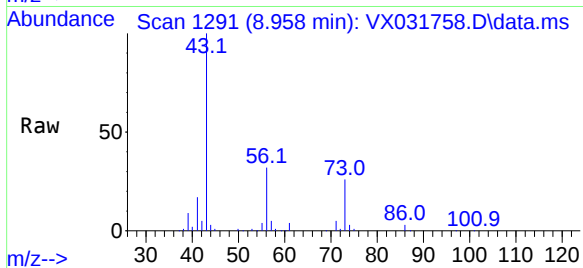
WC-14B-SP-2

Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 7.122 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

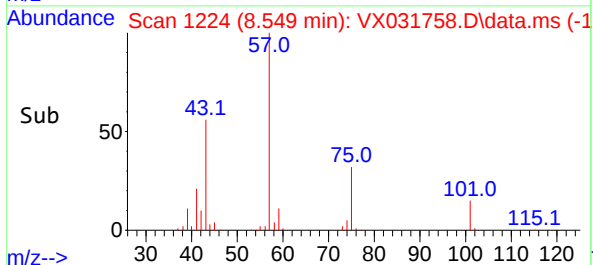
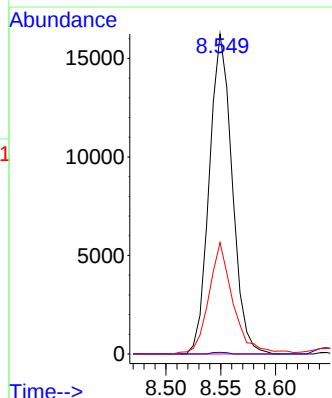
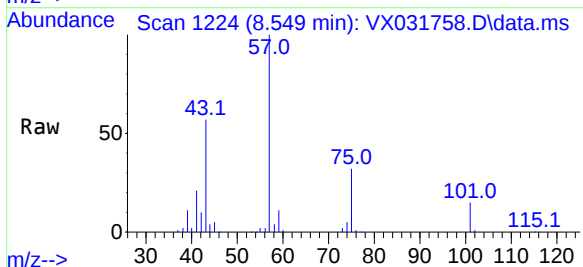
Tgt Ion: 75 Resp: 23548

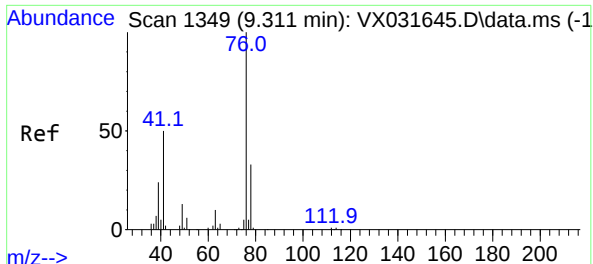
Ion Ratio Lower Upper

75 100

77 0.5 24.4 36.6#

39 34.3 43.7 65.5#

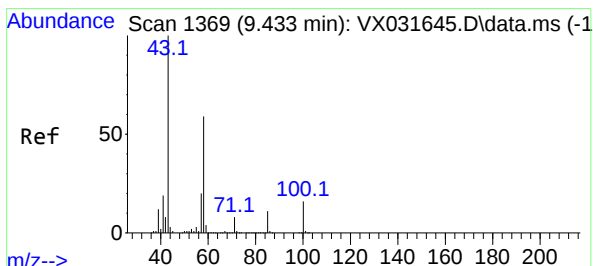
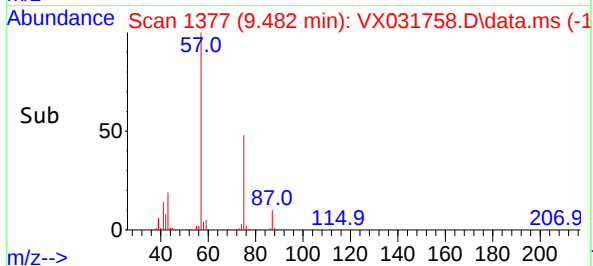
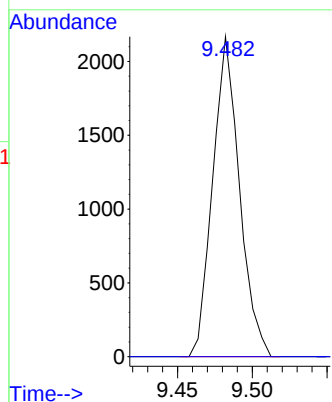
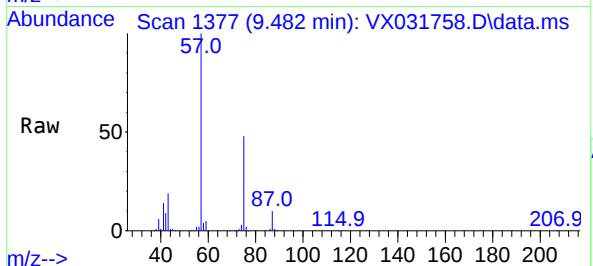




#57
1,3-Dichloropropane
Concen: 0.655 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

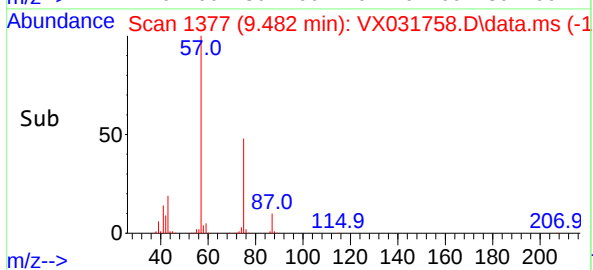
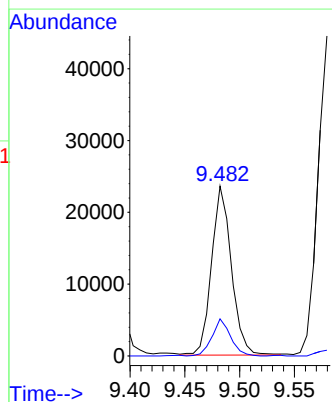
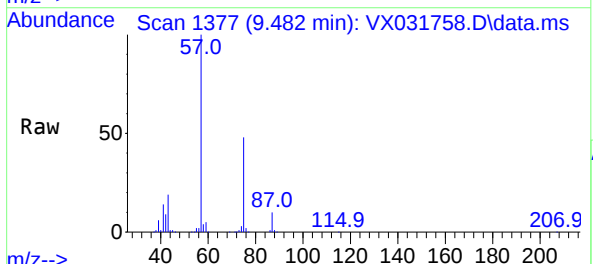
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

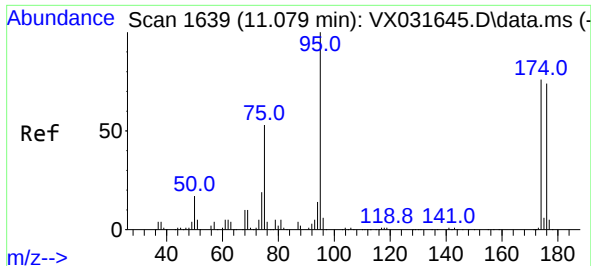
Tgt Ion: 76 Resp: 2695
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 13.448 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 43 Resp: 29695
Ion Ratio Lower Upper
43 100
58 20.5 26.7 80.0#





#62

4-Bromofluorobenzene

Concen: 53.069 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

Instrument :

MSVOA_X

ClientSampleId :

WC-14B-SP-2

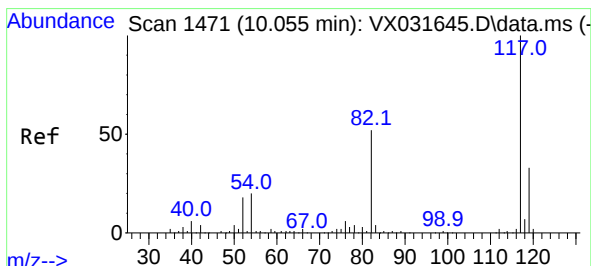
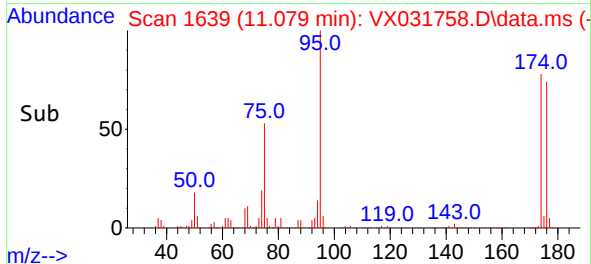
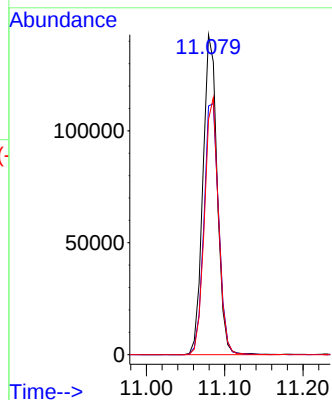
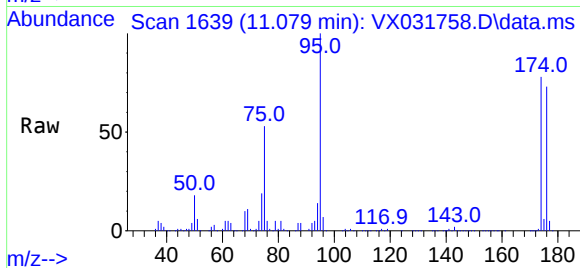
Tgt Ion: 95 Resp: 180852

Ion Ratio Lower Upper

95 100

174 81.2 0.0 153.2

176 79.0 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031758.D

Acq: 29 Sep 2022 04:30

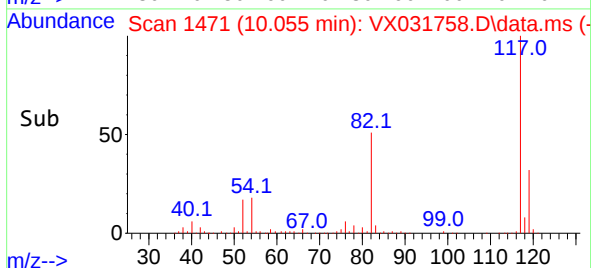
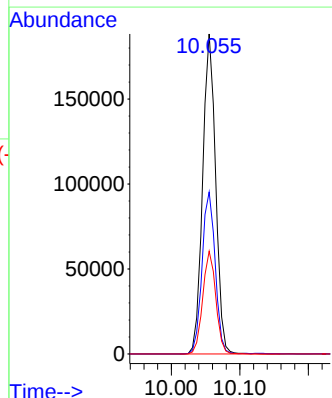
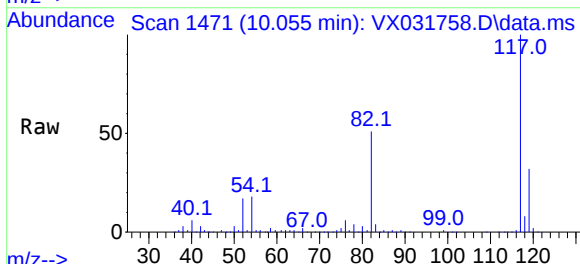
Tgt Ion: 117 Resp: 248534

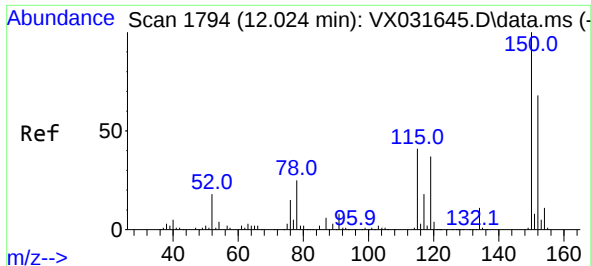
Ion Ratio Lower Upper

117 100

82 50.6 46.8 70.2

119 32.1 26.4 39.6

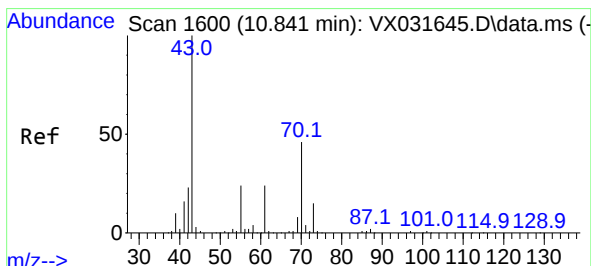
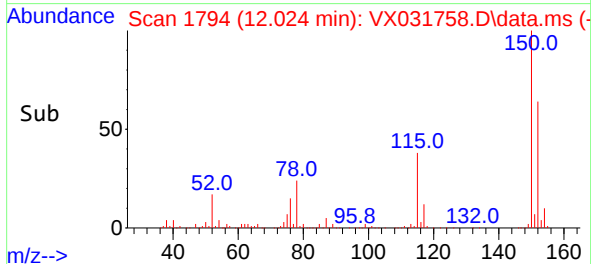
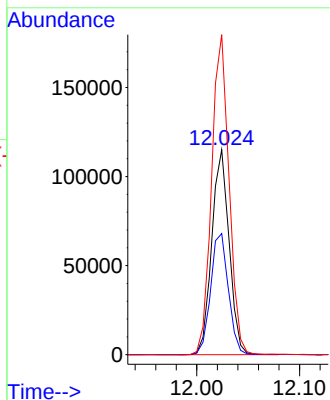
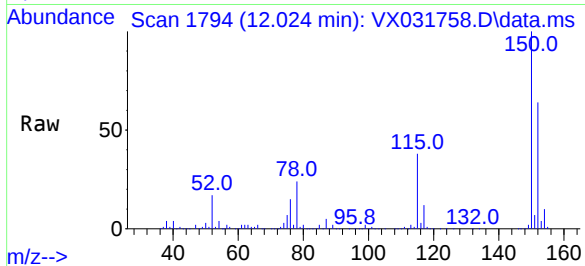




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

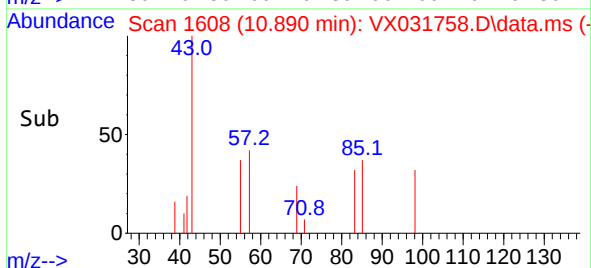
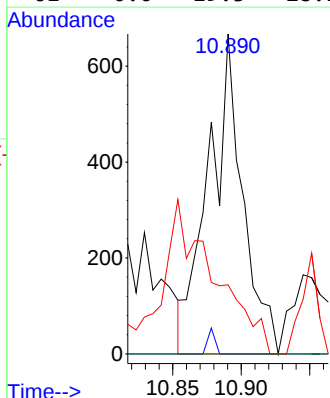
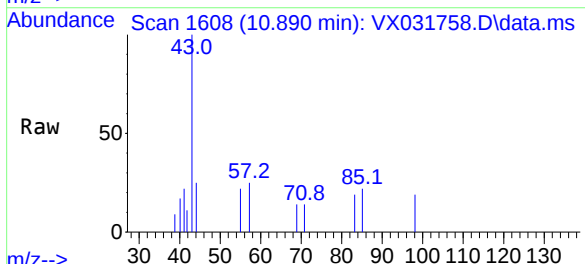
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

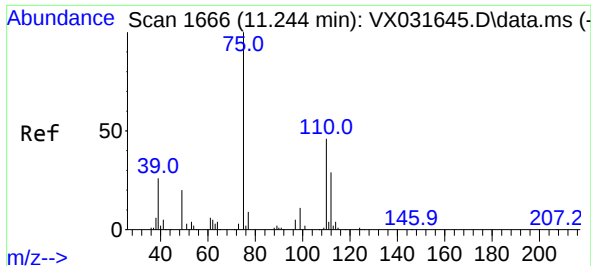
Tgt Ion:152 Resp: 135009
Ion Ratio Lower Upper
152 100
115 60.7 43.4 130.1
150 157.1 0.0 346.8



#74
N-ethyl acetate
Concen: 0.405 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.048 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

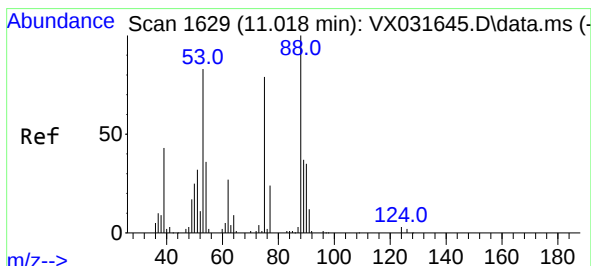
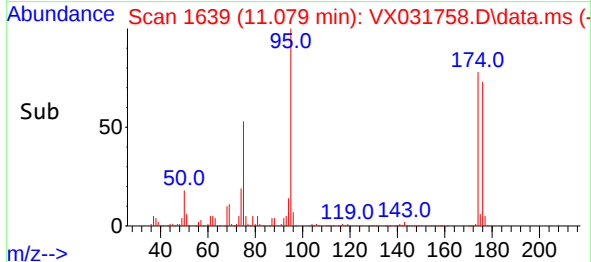
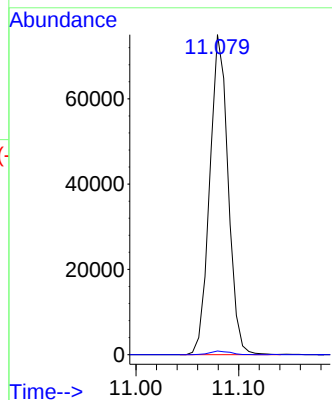
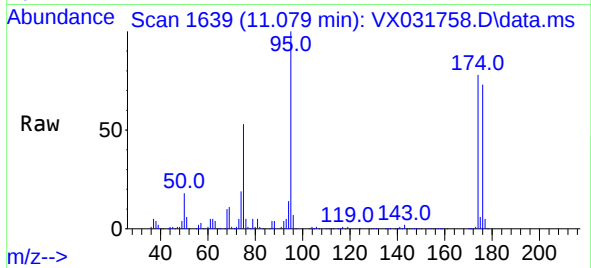




#76
1,2,3-Trichloropropane
Concen: 38.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

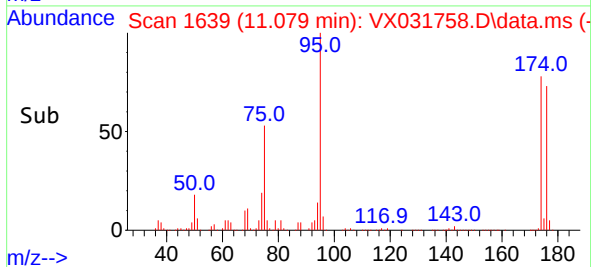
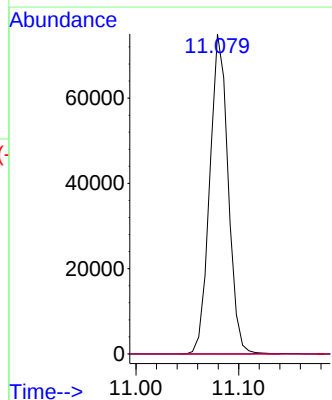
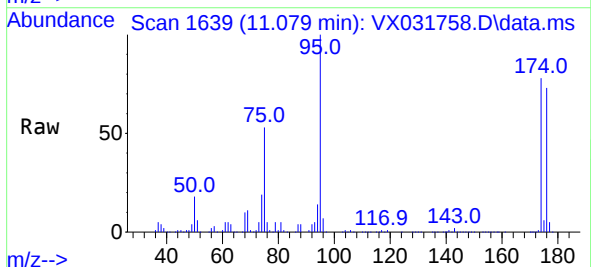
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

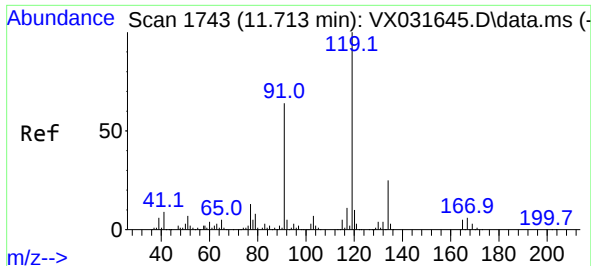
Tgt Ion: 75 Resp: 93206
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.697 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 75 Resp: 93206
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

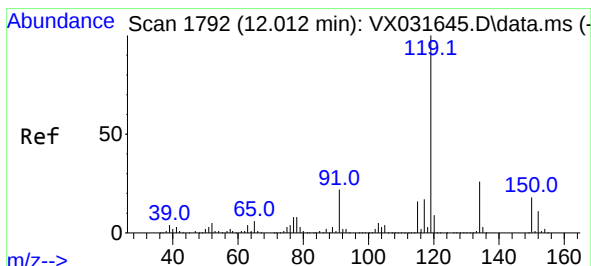
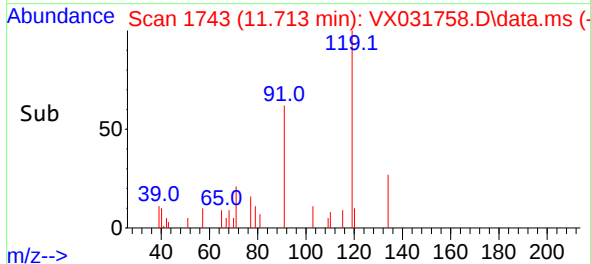
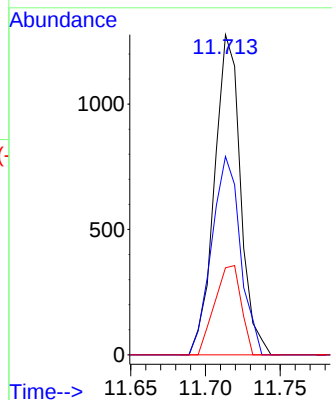
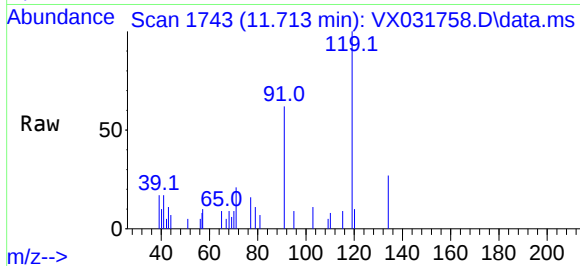




#83
tert-Butylbenzene
Concen: 0.217 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

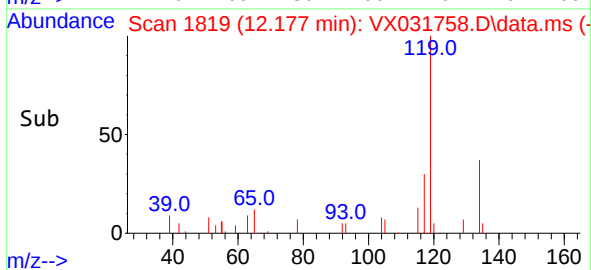
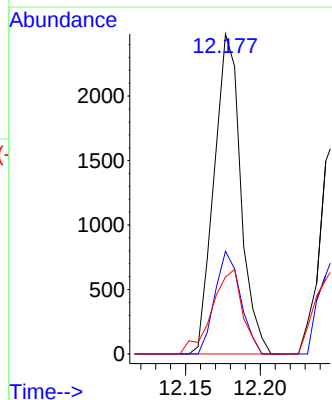
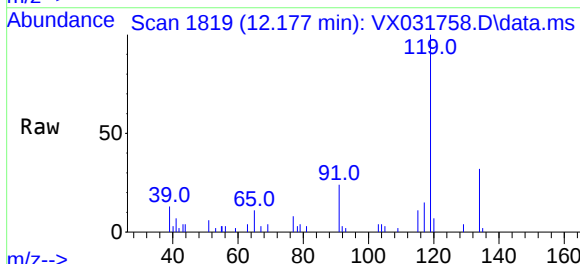
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

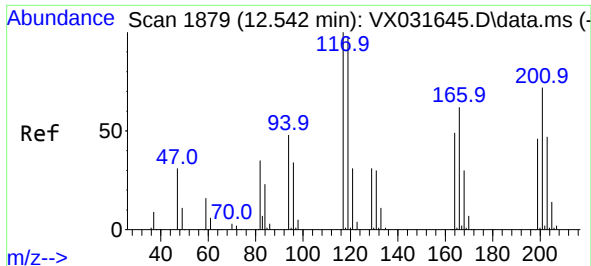
Tgt Ion:	119	Resp:	1549
Ion	Ratio	Lower	Upper
119	100		
91	67.9	29.2	87.6
134	28.2	11.6	34.8



#86
p-Isopropyltoluene
Concen: 0.394 ug/l
RT: 12.177 min Scan# 1819
Delta R.T. 0.165 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion:	119	Resp:	3081
Ion	Ratio	Lower	Upper
119	100		
134	30.8	13.4	40.2
91	30.1	12.4	37.2

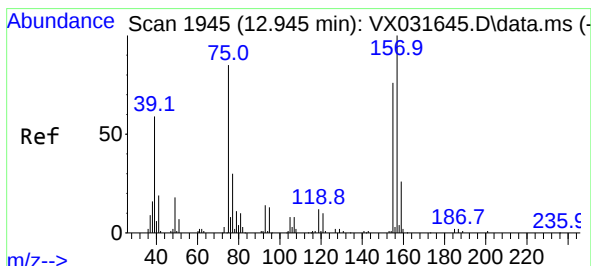
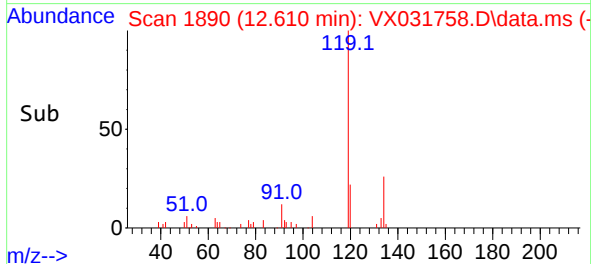
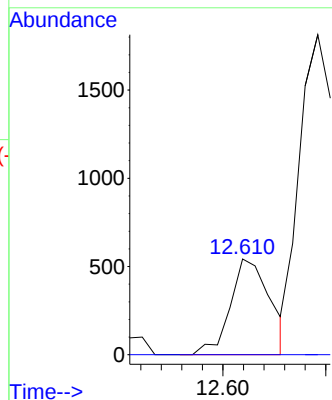
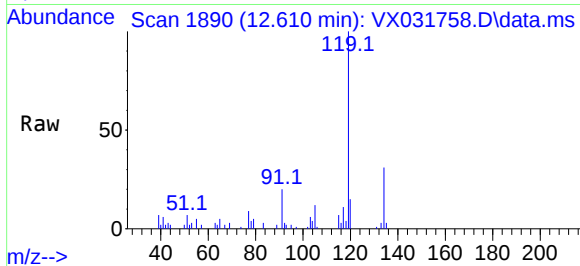




#90
Hexachloroethane
Concen: 0.579 ug/l
RT: 12.610 min Scan# 117
Delta R.T. 0.068 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2

Tgt Ion:117 Resp: 726
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.446 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. -0.238 min
Lab File: VX031758.D
Acq: 29 Sep 2022 04:30

Tgt Ion: 75 Resp: 248
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#

